

SPIC's captive floating solar power plant in TN goes on stream, CM inaugurates unit

Synopsis

The floating solar power plant would generate more energy as water facilitates a cooling effect leading to a higher yield. The project would also help the environment by curbing water evaporation in the reservoir by 60 per cent, the company said.

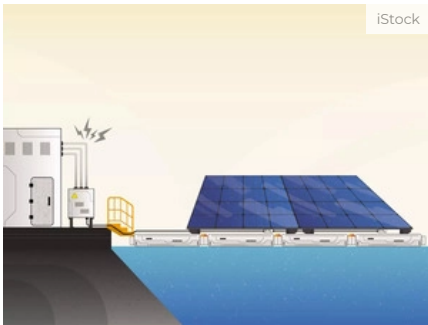


Image for representation

A captive floating [solar power plant](#) set up by the agri-nutrient and fertilisers company Southern Petrochemicals Industries Corporation Ltd, popularly known as [SPIC](#) Ltd, formally went on stream at Tuticorin on Monday.

Chief Minister M K Stalin inaugurated the unit, which is claimed to be the country's first and largest [floating power plant](#) in Tamil Nadu.

The state-of-the-art 25.3 megawatts DC/22 megawatts AC floating [solar power](#) plant was one of the initiatives of AM International Holdings Ltd, Singapore to optimise energy production on a sustainable basis in industrial plants.

SPIC Ltd is part of the AM International Holdings Ltd, Singapore.

According to company officials, the floating solar projects provide higher yield than traditional land-based solar plants enhancing energy generation and saving water from getting evaporated.

The floating solar power plant is owned by Greenam Energy, a wholly-owned subsidiary of AM International. SPIC Ltd worked with France-based floating solar power specialists and global leader "Ceil and Terre" to design, engineer and anchor the floating islands and the supply floats.

EDAC Engineering Ltd., another company of the AM International Group, took up the construction activities.

Chief Minister M K Stalin said the demand for clean power was the need of the hour, and Tamil Nadu currently holds the capacity to generate more than 15,500 MW of renewable energy.

"SPIC's floating solar power plant project is a welcome move towards industries in the state using renewable energy resources. Innovations like this are milestones towards achieving the goal of making Tamil Nadu a leader in renewable energy," he said.

SPIC Chairman Ashwin Muthiah said, "I thank Chief Minister M K Stalin for inaugurating the solar power plant project. SPIC is continuously working towards effectively harnessing green energies through innovative projects to reduce carbon footprint."

On the arrival of the high-profile delegation, SPIC Whole-Time Director S R Ramakrishnan welcomed Stalin and did a walk through of the plant.

"We are glad to be at the forefront of India's and Tamil Nadu's march towards clean energy. It is an example of our ESG

(environmental, social, and governance) commitment to progress towards renewable energy", Muthiah said.

The total project cost was Rs 150.4 crore of which a significant portion was attributed to the pandemic during the construction phase, the company said.

"The state-of-the-art project marks a significant achievement in the space of solar-generated energy development. It further establishes our focus on using renewable energy to build a sustainable future", he said.

The floating solar power plant would generate more energy as water facilitates a cooling effect leading to a higher yield. The project would also help the environment by curbing water evaporation in the reservoir by 60 per cent, the company said.

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SPIC's captive floating solar power plant in TN goes on stream, CM inaugurates unit

PTI | Mar 7, 2022, 01:47 PM IST

Chennai, Mar 7 (PTI) A captive floating solar power plant set up by the agri-nutrient and fertilisers company Southern Petrochemicals Industries Corporation Ltd, popularly known as SPIC Ltd, formally went on stream at Tuticorin on Monday.

Chief Minister M K Stalin inaugurated the unit, which is claimed to be the country's first and largest floating power plant in Tamil Nadu.

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The total project cost was Rs 150.4 crore of which a significant portion was attributed to the pandemic during the construction phase, the company said.

"The state-of-the-art project marks a significant achievement in the space of solar-generated energy development. It further establishes our focus on using renewable energy to build a sustainable future", he said.

The floating solar power plant would generate more energy as water facilitates a cooling effect leading to a higher yield. The project would also help the environment by curbing water evaporation in the reservoir by 60 per cent, the company said. PTI
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TN CM launches SPIC's floating solar unit at Thoothukudi

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The plant to generate 42 million units of clean energy and to help curbing water evaporation reduction on its reservoir.

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Chennai, March 7



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Leading fertiliser manufacturer Southern Petrochemical Industries Corporation Ltd (SPIC) has set up a floating solar project at Thoothukudi in Tamil Nadu at an estimated cost of ₹150.4 crore.

The power plant come up on the storage ponds of SPIC's campus was inaugurated by the Tamil Nadu Chief Minister M K Stalin on Monday.

The state-of-the-art 25.3 MW DC/22 MW AC floating solar power plant is to optimise energy production on a sustainable basis. The project aligns with the group's ESG strategy to implement new-age green and sustainable technology, according to a statement.

Located on the large water reservoir within the SPIC's premises, the solar plant can generate 42.0 million units of electricity per annum. All the power generated would be consumed by SPIC and Greenstar Fertilisers.

The solar plant is owned by Greenam Energy, a wholly-owned subsidiary of AM International. SPIC worked with France-based Ceil & Terre to design, engineer, and anchor the floating islands. EDAC Engineering Ltd, another arm of the AM International group, undertook the plant's construction.

"SPIC is continuously working towards effectively harnessing green energies through innovative projects to reduce carbon footprint. We are glad to be at the forefront of India's and Tamil Nadu's march towards clean energy. It is an example of our ESG commitment to progress towards renewable energy," said Ashwin Muthiah, Chairman, SPIC & Founder Chairman, AM International Group.

The new plant will generate more energy as water facilitates a cooling effect helping in a higher yield. Apart from clean power, the project will help the environment by curbing water evaporation in the reservoir by about 60 per cent.

"The demand for clean power is the need of the hour, and Tamil Nadu currently holds the capacity to generate more than 15,500 MW of renewable energy. The government is focused on environmentally sustainable projects and the establishment of a similar facility in the existing dams and water reservoirs in the state. These initiatives would lead to the generation of more renewable power, conserving water and minimising the scarce agricultural land being used for establishing solar power generating facility, said Chief Minister of Tamil Nadu M K Stalin.

Published on March 07, 2022

Southern Petrochemicals Industries Corporation Ltd(<https://www.thehindubusinessline.com/stocks/southern-petrochemicals-industries-corporation-ltd/>)

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A captive floating solar power plant set up by the agri-nutrient and fertilizers company Southern Petrochemicals Industries Corporation Ltd, popularly known as SPIC Ltd, formally went on stream at Tuticorin on Monday, 7th March.

Chief Minister M K Stalin inaugurated the unit, which is claimed to be the country's first and largest floating power plant in Tamil Nadu. The state-of-the-art 25.3 megawatts DC/22 megawatts AC floating solar power plant was one of the initiatives of AM International Holdings Ltd, Singapore to optimize energy production on a sustainable basis in industrial plants.

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Chief Minister M K Stalin said the demand for clean power was the need of the hour, and Tamil Nadu currently holds the capacity to generate more than 15,500 MW of renewable energy.

"SPIC's floating solar power plant project is a welcome move towards industries in the state using renewable energy resources. Innovations like this are milestones towards achieving the goal of making Tamil Nadu a leader in renewable energy," he said.

SPIC Chairman Ashwin Muthiah said, "I thank Chief Minister M K Stalin for inaugurating the solar power plant project. SPIC is continuously working towards effectively harnessing green

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"We are glad to be at the forefront of India's and Tamil Nadu's march towards clean energy. It is an example of our ESG (environmental, social, and governance) commitment to progress towards renewable energy", Muthiah said.

The total project cost was Rs.150.4 crore of which a significant portion was attributed to the pandemic during the construction phase, the company said.

"The state-of-the-art project marks a significant achievement in the space of solar-generated energy development. It further establishes our focus on using renewable energy to build a sustainable future", he said.

The floating solar power plant would generate more energy as water facilitates a cooling effect leading to a higher yield. The project would also help the environment by curbing water evaporation in the reservoir by 60 percent, the company said.

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Touted as India's largest, this floating solar power project generates 42M units per year

Written By: Sidharth M.P. • WION Chennai • Published: Mar 07, 2022, 09:35 PM (IST)



Floating solar power project generates 42M units per year Photograph: (WION)

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This is said to reduce the evaporation of water by a significant extent (up to 60 per cent). It also generates more power owing to the cooling effect (lower temperature) offered by the water.

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Southern Petrochemicals Industries Corporation Limited (SPIC), a private company inaugurated and fully operationalised what is being touted as India's largest floating solar power plant. Situated in the SPIC factory's premises in Tuticorin, Tamil Nadu, this 48-acre floating solar power plant has been set up on a large water reservoir that spans 62-acres.

Capable of generating 42 million units of power per year, the plant is meant to cater to the energy needs of the SPIC and Greenstar fertilisers factories.



Constructed at a cost of Rs.150.4 crores, SPIC worked with France-based floating solar power specialists and global leader Ceil & Terre to design, engineer, and anchor the floating islands and the supply floats.



EDAC Engineering Ltd, another company of the AM international group, undertook the plant's construction.

In addition, advanced high-capacity inverters of 3.25 MW have been installed to improve the plant's reliability and reduce losses, said the company.

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According to the company, the 25.3 MW DC / 22 MW AC floating solar power plant project aligns with their strategy to implement new-age green, sustainable technology and self-sufficient captive energy generation. In floating solar power plants, the solar arrays are placed on floating structures on a water body.

This is said to reduce the evaporation of water by a significant extent (up to 60 per cent). It also generates more power owing to the cooling effect (lower temperature) offered by the water.

Inaugurating the plant, Tamil Nadu Chief Minister MK Stalin said, "The demand for clean power is the need of the hour, and Tamil Nadu currently holds the capacity to generate more than 15,500 MW of renewable energy. The government of Tamil Nadu is focused on environmentally sustainable projects. The establishment of a similar facility in the existing dams and water reservoirs in the state would lead to the generation of more renewable power as well as conserving water and minimising the scarce agriculture land being used for establishing solar power generating facility".

Top officials of SPIC said that the group is continuously working towards effectively harnessing green energies through innovative projects to reduce carbon footprint. We are glad to be at the forefront of India's and Tamil Nadu's march towards clean energy, they added.